

# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY



To:  
KAWAMIYA, Osamu

AOYAMA & PARTNERS, IMP  
Building, 3-7, Shiromi  
1-chome, Chuo-ku, Osaka-shi, Osa  
ka 5400001 Japan

## PCT

INVITATION TO PAY ADDITIONAL FEES

(PCT Article 17(3)(a) and Rule 40.1)

Date of mailing (day/month/year) <b>17.5.2005</b>	
Applicant's or agent's file reference <b>665095</b>	<b>PAYMENT DUE</b> within <b>1</b> month from the above date of mailing
International application No. <b>PCT/JP2005/006581</b>	International filing date (day/month/year) <b>29.03.2005</b>
Applicant <b>MATSUSHITA ELECTRIC WORKS, LTD.</b>	

1. This International Searching Authority

(i) considers that there are 4 (number of) inventions claimed in the international application covered by the claims indicated below ~~on an extra sheet~~:

Claims 1-18

and it considers that the international application does not comply with the requirements of unity of invention (Rules 13.1, 13.2 and 13.3) for the reasons indicated ~~below~~ on an extra sheet:

(ii) ☒ has carried out a partial international search (see Annex) ☐ will establish the international search report on those parts of the international application which relate to the invention first mentioned in claims Nos.:

(iii) will establish the international search report on the other parts of the international application only if, and to the extent to which, additional fees are paid.

2. The applicant is hereby **invited**, within the time limit indicated above, to pay the amount indicated below:

¥ <u>78000</u>	x	<u>3</u>	=	¥ <u>234000</u>
Fee per additional invention		number of additional inventions		total amount of additional fees

The applicant is informed that, according to Rule 40.2(c), the payment of any additional fee may be made under protest, i.e., a reasoned statement to the effect that the international application complies with the requirement of unity of invention or that the amount of the required additional fee is excessive.

3. ☐ Claim(s) Nos. \_\_\_\_\_ have been found to be unsearchable under Article 17(2)(b) because of defects under Article 17(2)(a) and therefore have not been included with any invention.

Name and mailing address of the ISA/JP  <b>Japan Patent Office</b> 3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan	Authorized officer  Commissioner of the Patent Office Telephone No. +81-3-3581-1101 Ext. 3471
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4R 3031

The common technical feature of claims 1-18 is that upper and lower sealing members are made of the same material as a sensor body.

However, this feature is described in JP 2003-188296 A (MITSUBISHI ELECTRONIC), 2003.07.04 and does not have novelty.

The remaining claims 2-18 are not so linked as to form a single general inventive concept for the following reasons:

Claim 2 is concerned with material of members.

Claim 3 is concerned with hermetic sealing.

Claims 4-6, 15-17 are concerned with electrical connections.

Claims 7-14, 18 are concerned with the location of IC.

COMMUNICATION RELATING TO THE RESULTS OF THE  
PARTIAL INTERNATIONAL SEARCH

International application No.

PCT/JP2005/006581

1. The present communication is an Annex to the invitation to pay additional fees (Form PCT/ISA/206). It shows the results of the international search established on the parts of the international application which relate to the invention first mentioned in claims Nos.: 1, 2
2. This communication is not the international search report which will be established according to Article 18 and Rule 43.
3. If the applicant does not pay any additional search fees, the information appearing in this communication will be considered as the result of the international search and will be included as such in the international search report.
4. If the applicant pays additional fees, the international search report will contain both the information appearing in this communication and the results of the international search on the other parts of the international application for which such fees will have been paid.

## DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2003-188296 A (MITSUBI SHIELECTRONIC), 2003.07.04, [0017]-[0019], Fig.2 & US 2003/0113982 A1	1, 2

☐ Further documents are listed in a continuation Box.☐ See patent family annex.

## \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

# ATTENTIONS

## 1. Forms and Preparation Points of Documents to be Submitted

Form for payment of additional fee shall be prepared in conformity to Article 43 (Form 18bis) of Enforcement Regulations of Law Concerning the International Application of the Patent Cooperation Treaty and Related Matters.

## 2. Protest against Additional Fee

- The instant the additional fee is paid, the protest against additional fee may be made by a written declaration describing grounds that this international application satisfies the unity of invention in the Article 17 (3) (a) of the Treaty, or the ordered amount of the payment of the additional fee is excessive.
- The written declaration shall be prepared pursuant to Article 44 (Form 19bis) of Enforcement Regulations of Law Concerning the International Application of the Patent Cooperation Treaty and Related Matters.
- Some designated states prescribe that parts of the international application, which are not undergone the international search, because an applicant did not pay the additional fee to be paid to a designated state, shall be withdrawn as long as the effect in the applicable designated state except that the applicant paid a special fee to the national office of the applicable designated state. (Treaty Article 17 (3) (b))

## [Remarks]

- In a column of "Amount of Additional Payment", the amount claimed of payment for the additional fee shall be described, a patent revenue stamp of this amount shall be stuck on the left upper part of this document, and the amount shall be written in a parenthesis thereunder.
- The paper sheet used is set to Row A, No.4 (horizontal writing 21cm, 29.7cm), only one side of a flexible, strong, white, smooth, lusterless, and durable paper sheet with no fold is used with its shorter side at the top, and unnecessary characters, signs, frame lines, ruled lines, etc. shall not be written on this paper.
- Neither creases nor tear shall be made on this paper.
- Margins shall be set to at least 2cm in the upper edge, the right edge, and the bottom edge of the paper sheet respectively and 2.5cm in the left edge. In principle, the margins shall not exceed 4cm in its upper edge and the left edge respectively and 3cm in its right edge and the bottom edge respectively. In these cases, the margins shall be left completely blank. Where, the document number (as long as being described in the request) may be added on the marginal left corner in the upper edge within 1.5cm from the upper edge.
- The form for payment of the additional fee shall be a typed or printed manuscript so that an arbitrary number of copies may be directly made by photograph, electrostatic method, photographic offset, and microfilm.
- In all the paper sheets for the form for payment of the additional fee, serial numbers starting from 1 in Arabic numerals shall be added on the center of the top or bottom edge of the paper sheet (except for the marginal parts).
- In cases of the typed manuscript, the space between the lines is set to at least not less than 5mm. In cases using roman letters in Remarks 12, 15, it is set to the width of 1.5 letters.
- Items mentioned shall be written in the characters of No.4 type (Roman letters used for the Remarks 12, 15 are set to not less than 0.21cm lengthwise in capital letters.), wherein the color used shall be dark and unfading and the characters shall fulfill the requirements prescribed in the Remark 5.
- In a column of "Indication of International Application", where an applicant already received the notification of the international application number from the Patent Office, the number shall be described in such a manner as "PCT/JP ○○○/○○○○○○", where the applicant is not yet received the notification of the international application number, the date submitting the international application shall be described in the order of the date, the month, and the year in such a manner as "international application submitting on ○○.○ ○.○○○○" and the document number (as long as being described in the request) shall be also described therein.

- The "Name of Applicant" shall be described in the full name in the order of the family name and the first name in a case of natural person and in a case of the juristic person, the name shall be described.
- The "Address" shall be described in detail such as "Japan, a prefecture, a county, a village, a major article, a minor article, a lot number, and a house number" and the postal code shall be also described.
- The transliteration of the name and the address of an applicant or their translation into English shall be also added there to using the roman letters
- In a column of "Nationality", the name of a country where the applicant or the representative is pertained shall be described.
- In a column of "Address", the name of a country in which the applicant or the representative is inhabited shall be described.
- In a case of describing the name of a country, the name of the country designated by the Commissioner shall be expressed in Japanese and English.
- In the column of "Representative", the name of the representative shall be described and an applicable one out of "lawyer", "patent attorney", and "legal representative" shall be described before the name.
- Where a representative is placed, no applicant's seal is necessary and where being no representative, there is no need to provide a column for "Representative".
- In each paper sheet, erasure, correction, overwriting, and insertions are not permitted as a rule.
- The sheets of the form for payment of the additional fee shall be filed with, for example a clip so as to be easily separated or refilled.
- In the "Address", one address of each applicant, representative, attorney, or sub-attorney shall be described.
- In a column of "Sub-attorney", the name of the sub-attorney shall be described and an applicable name out of "lawyer" or "patent attorney" shall be described before the name.
- Where a sub-attorney is placed, no representative's seal is necessary and where being no sub-attorney, there is no need to provide a column for a "Sub-Attorney".
- The Christian Era or Gregorian Calendar shall be used for the date, figures of the day, figures of the month, and last two figures of the year shall be expressed in Arabic numerals respectively in this order, and a period shall be added after the figures of the day and the month (for example expressing March, 30<sup>th</sup>, 2004 into "30.03.2004"). Where using another era or calendar, the Christian Era or Gregorian Calendar shall be added thereto.

## Form 18bis (Related to Article 43)

Patent  
Revenue  
Stamp

## PAYMENT OF ADDITIONAL FEE

( )

To : Commissioner of the Patent Office

1. Identification of the International Application

2. Applicant (Common Representative)

(Identification number:)

Name:

Signature \_\_\_\_\_ (印)

Address:

Country of nationality:

Country of residence:

3. Agent

(Identification number :)

Name:

Signature \_\_\_\_\_ (印)

Address:

4. Date of Invitation

5. Number of Additional Intentions

6. Amount of Additional Fee

Yen

7. List of Attached Documents

(1) statement : 1 copy

(2) ( )

1. In a column of "Points of Protest Against Additional Fee", an applicant shall be described in such a manner that "Request to return the fee, ( yen) related to the additional payment".
2. This document shall be added to the Form for Payment of Additional Fee prepared under the Form 18bis.
3. The paper sheet used is set to Row A, No.4 (horizontal writing 21cm, 29.7cm), only one side of a flexible, strong, white, smooth, lusterless, and durable paper sheet with no fold is used with its shorter side at the top, and unnecessary characters, signs, frame lines, ruled lines, etc. shall not be written on this paper.
4. Neither creases nor tear shall be made on this paper.
5. Margins shall be set to at least 2cm in the upper edge, the right edge, and the bottom edge of the paper sheet respectively and 2.5cm in the left edge. In principle, the margins shall not exceed 4cm in its upper edge and the left edge respectively and 3cm in its right edge and the bottom edge respectively. In these cases, the margins are left completely blank. Where, the document number (as long as being described in the request) may be added in the marginal left corner in the upper edge within 1.5cm from the upper edge.
6. The written declaration shall be a typed or printed manuscript so that an arbitrary number of copies may be directly made by photograph, electrostatic method, photographic offset, and microfilm.
7. In all the paper sheets of the written declaration, serial numbers starting from 1 in Arabic numerals shall be added in the center of the top or bottom edge of the paper sheet (except for the marginal parts).
8. In cases of the typed manuscript, the space between the lines is set to at least not less than 5mm. In cases using roman letters in Remarks 13, 16, it is set to the width of 1.5 letters.
9. Items mentioned shall be written in the characters of No.4 type (Roman letters used for the Remarks 13, 16 are set to not less than 0.21cm lengthwise in capital letters.), wherein the color used shall be dark and unfading and the characters shall fulfill the requirements prescribed in the Remarks 6.
10. In a column of "Indication of International Application", where an applicant already received the notification of the international application number from the Patent Office, the number shall be described in such a manner as "PCT/JP 0000/000000", where the applicant is not yet received the notification of the international application number, the date submitting the international application shall be described in the order of the date, the month, and the year in such a manner as "international application submitting on 00.00.0000", and the document number (as long as being described in the request) shall be also described therein.
11. The "Name of Applicant" shall be described in the full name in the order of the family name and the first name in a case of natural person and in a case of the juristic person, the name shall be described.
12. The "Address" shall be described in detail such as "Japan, a prefecture, a county, a village, a major article, a minor article, a lot number, and a house number" and the postal code shall be also described.
13. The transliteration of the name and the address of applicant or their translation into English shall be also added thereto using the roman letters.
14. In a column of "Nationality", the name of a country where the applicant or the representative is pertained shall be described.
15. In a column of "Address", the name of a country in which the applicant or the representative is inhabited shall be described.
16. In a case of describing the name of a country, the name of the country designated by the Commissioner shall be expressed in Japanese and English.
17. In the column of "Representative", the name of the representative shall be described and an applicable one out of "lawyer", "patent attorney", and "legal representative" shall be described before the name.
18. Where a representative is placed, no applicant's seal is necessary and where being no representative, there is no need to provide a column for a "Representative".
19. In each paper sheet, erasure, correction, overwriting, and insertions are not permitted as a rule.
20. The sheets of the written declaration shall be filed with, for example a clip so as to be easily separated or refilled.

21. In the "Address", one address of each applicant, representative, attorney, or sub-attorney shall be described.
22. In a column of the "Sub-Attorney", the name of the sub-attorney shall be described and an applicable name out of "lawyer" or "patent attorney" shall be described before the name.
23. Where a sub-attorney is placed, no representative's seal is necessary and where being no sub-attorney, there is no need to provide a column for a "Sub-Attorney".

## STATEMENT

To : Commissioner of the Patent Office

- ### 1. Identification of International Application

2. Applicant (Common Representative)

(identification number :)

Name: \_\_\_\_\_ Signature \_\_\_\_\_ (印)

**Address:**

Country

Country of residence:

Country of residence.  
gent

- Ido

Name:

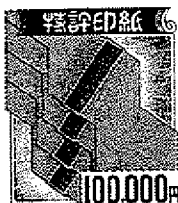
Address \_\_\_\_\_

Signature \_\_\_\_\_ (H#)

Address:  
Number of

5. Amount of Additional Fee

6. Purport of Protest
7. Reason for Protest



(234,000 Yen)

# PAYMENT OF ADDITIONAL FEE

To: Commissioner of the Patent Office

## 1. Identification of the International Application

PCT/JP2005/006581

## 2. Applicant

Name: MATSUSHITA ELECTRIC WORKS, LTD.

Address: 1048, Oaza-Kadoma, Kadoma-shi,  
Osaka 571-8686 Japan

Country of nationality: Japan

Country of residence: Japan

## 3. Agent

Name: 8640 Patent Attorney, KAWAMIYA Osamu

Address: AOYAMA & PARTNERS, IMP Building,  
3-7, Shiromi 1-chome, Chuo-ku, Osaka-shi,  
Osaka 540-0001 Japan



4. Date of Invitation: 17.05.2005

5. Number of Additional Inventions: 3

6. Amount of Additional Fee: 234,000 Yen